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graph TD
    IN[INCOMING CALL] --> 20{LINE AVAILABLE?}
    20 -- YES --> 24[INTERCONNECT]
    20 -- NO --> 22[BUSY SIGNAL]
    24 --> 26[PROVIDE DELAY MSG  
(Voice Generator)]
    26 --> 28[FETCH CALL DATA  
Called*, Calling*, Equip.]
    28 --> 30{VALIDITY BIT CHECK?}
    30 -- NO --> 32[REJECT MSG]
    32 --> 34[RELEASE LINE]
    30 -- YES --> 36[FETCH CONTROL WORD]
    36 --> 38{CONDITIONAL FORMAT?}
    38 -- NO --> 32
    38 -- YES --> 40[INITIATE FORMAT]
    40 --> 42[LOG CALL  
(Billing Data)]
    42 --> 44[SET TEST CONDITIONS]
    28 --> 25{OPERATOR CALL?}
    25 -- YES --> 29[TRANSFER CALL & DATA TO OPERATOR]
    25 -- NO --> 27{OPERATOR AVAILABLE?}
    27 -- YES --> 29
    27 -- NO --> 30
    29 --> 44
    44 --> 46{TIME TEST OK?}
    46 -- YES --> 48[CORRELATE TESTS]
    46 -- NO --> 50{HISTORY TEST OK?}
    50 -- YES --> 48
    50 -- NO --> 52{DEMO TEST OK?}
    52 -- YES --> 48
    52 -- NO --> 44
    48 --> 34
  
```



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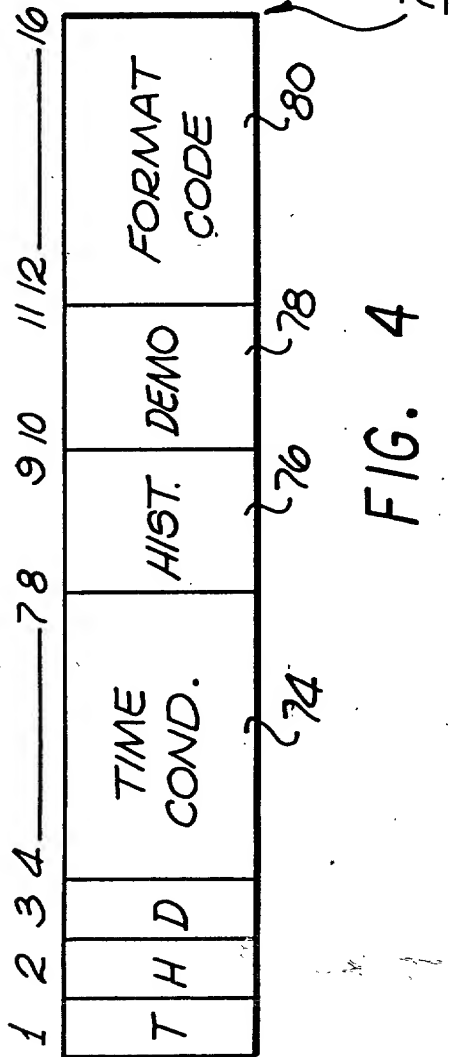
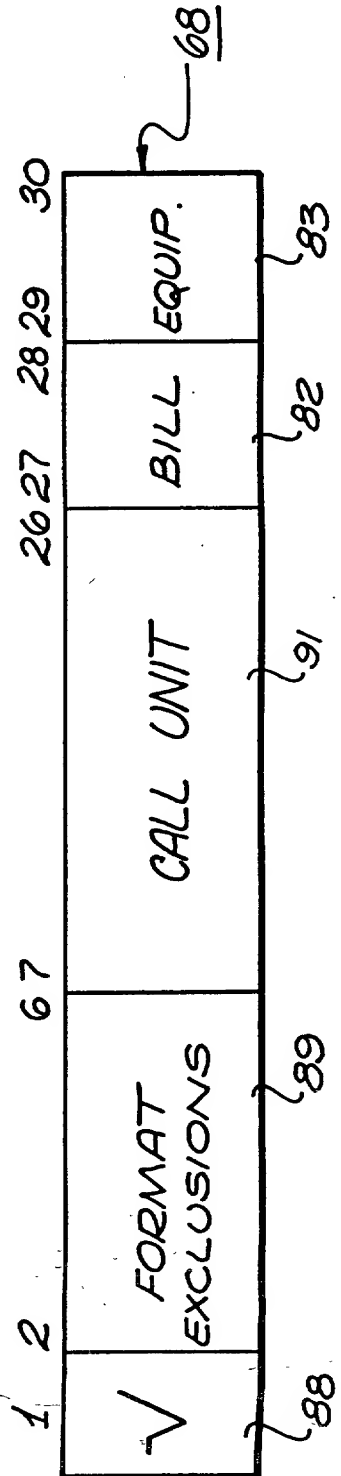


FIG. 5



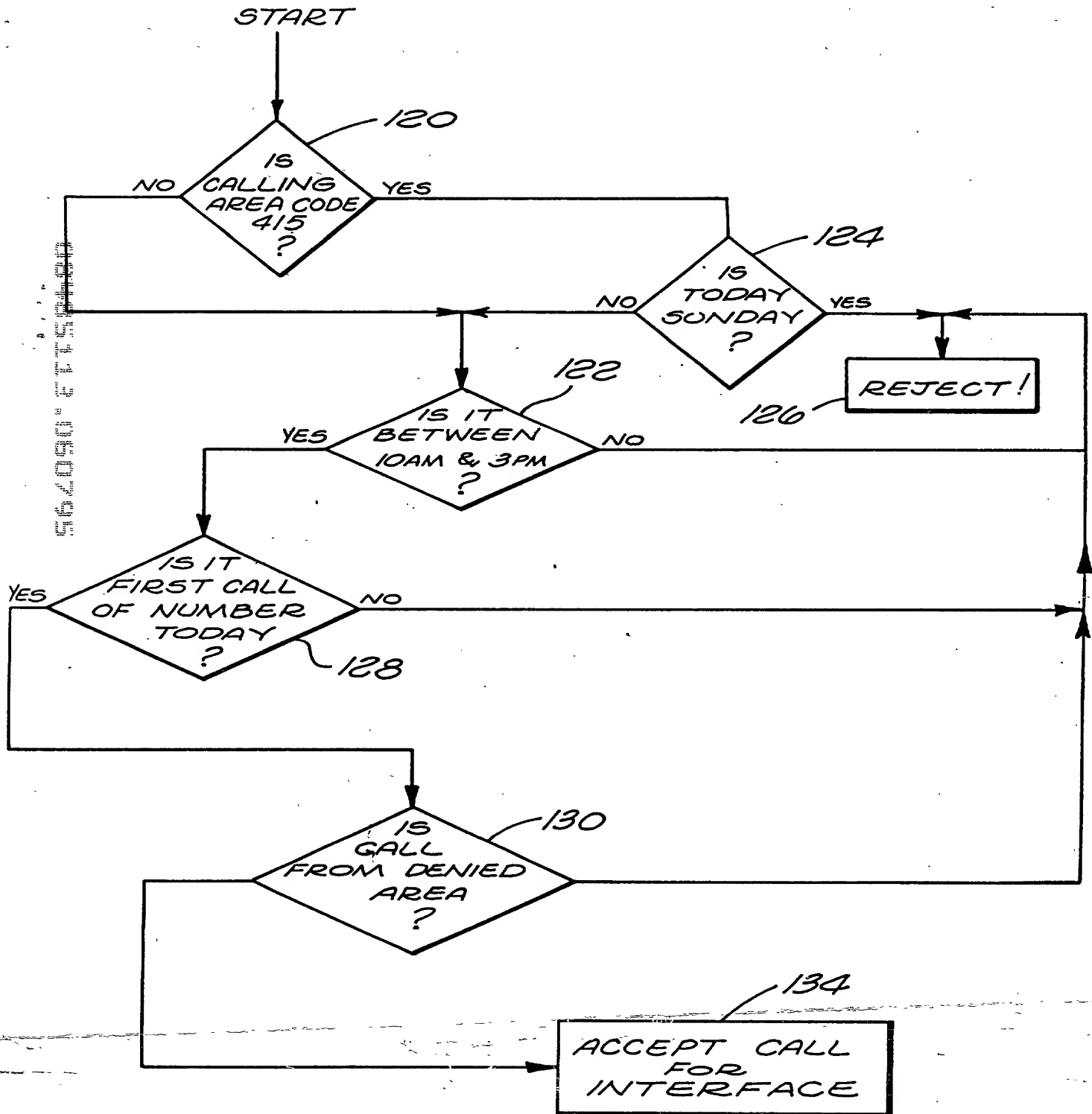


FIG. 6